

Safety Data Sheet (HazCom 2012)
SOCOSTRIP A0109N

Safety Data Sheet date: 4/15/2024, version 4

1. IDENTIFICATION**Product identifier**

Mixture identification:

Trade name: SOCOSTRIP A0109N

Other means of identification:

SDS code: P50117

Recommended use of the chemical and restrictions on use

Recommended use:

Solvent

Industrial uses

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party**Manufacturers:**

Socomore SASU

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CHEMTEL: +1-813-248-0585 (International); 1-800-255-3924 (USA)

2. HAZARD(S) IDENTIFICATION**Classification of the chemical**

Warning, Flam. Liq. 4, Combustible liquid.

⚠ Warning, Acute Tox. 4, Harmful if inhaled.

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

Aquatic Acute 3, Harmful to aquatic life.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Label elements

Hazard pictograms:



Danger

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Hazard statements:

- H227 Combustible liquid.
- H332 Harmful if inhaled.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P261 Avoid breathing vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/clothing and eye/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water/...
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor/... if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substances**

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 30% - < 40% benzyl alcohol

REACH No.: 01-2119492630-38, Index number: 603-057-00-5, CAS: 100-51-6, EC: 202-859-9

⚠ A.1/4/Oral Acute Tox. 4 H302

⚠ A.1/4/Inhal Acute Tox. 4 H332

>= 7% - < 10% hydrogen peroxide solution ...%

REACH No.: 01-2119485845-22, Index number: 008-003-00-9, CAS: 7722-84-1, EC: 231-765-0

⚠ B.13/1 Ox. Liq. 1 H271

US-HAE/A2 Aquatic Acute 2 H401

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- ⚠ A.2/1A Skin Corr. 1A H314
- US-HAE/C3 Aquatic Chronic 3 H412
- ⚠ A.1/4/Oral Acute Tox. 4 H302
- ⚠ A.1/4/Inhal Acute Tox. 4 H332

Specific Concentration Limits:

- C >= 70%: Skin Corr. 1A H314
- 35% <= C < 50%: Skin Irrit. 2 H315
- 8% <= C < 50%: Eye Dam. 1 H318
- 5% <= C < 8%: Eye Irrit. 2A H319

>= 1% - < 3% ALCOHOLS, C9-11, ETHOXYLATED

REACH No.: Exempted-----, CAS: 68439-46-3, EC: 614-482-0

- ⚠ A.3/1 Eye Dam. 1 H318

>= 1% - < 3% TRISODIUM ORTHOPHOSPHATE

REACH No.: 01-2119489800-32, CAS: 10101-89-0, EC: 231-509-8

- ⚠ A.3/2A Eye Irrit. 2A H319
- ⚠ A.8/3 STOT SE 3 H335
- ⚠ A.2/2 Skin Irrit. 2 H315

>= 0.25% - < 0.3% Dihydro-3-(octenyl)furan-2,5-dione

REACH No.: 01-2119979082-33, CAS: 26680-54-6, EC: 247-899-8

- ⚠ A.2/2 Skin Irrit. 2 H315
- ⚠ A.3/2A Eye Irrit. 2A H319
- ⚠ A.4.2/1 Skin Sens. 1 H317
- US-HAE/C4 Aquatic Chronic 4 H413

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do NOT induce vomiting.

In case of Inhalation:

- If breathing is irregular or stopped, administer artificial respiration.
- In case of inhalation, consult a doctor immediately and show the packing or label.

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Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Remove contact lenses, if present and easy to do. Continue rinsing.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire, use a CO2 fire extinguisher to extinguish.

Unsuitable extinguishing media

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not breathe vapors. Avoid breathing mists/vapor/spray.

Do not get in eyes, on skin or clothing. Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only in well-ventilated areas.

Advice on general occupational hygiene:

Wash hands after use

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

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Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

Keep away from frost.

Product should be stored at above freezing conditions.(>0°C)

Keep away from acids.

Keep away from combustible materials.

Instructions as regards storage premises:

Keep container closed when not in use.

Avoid contamination of the product and do not mix with other chemicals.

Avoid contamination of the unused product by foreign materials including tools and parts of the spraying equipment if used.

Storage temperature:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

benzyl alcohol - CAS: 100-51-6

- OEL Type: National - TWA(8h): 22 mg/m³, 5 ppm - Notes: Germany - DFG, H, Y,11 (Skin)

- OEL Type: National - TWA: 5 mg/m³ - Notes: Bulgaria

- OEL Type: National - TWA: 40 mg/m³ - Notes: Czech Republic

- OEL Type: National - TWA: 45 mg/m³, 10 ppm - Notes: Finland

- OEL Type: National - TWA: 5 mg/m³ - Notes: Latvia

- OEL Type: National - TWA: 5 mg/m³ - Notes: Lithuania (skin)

- OEL Type: National - TWA: 240 mg/m³ - Notes: Poland

- OEL Type: National - TWA: 22 mg/m³, 5 ppm - STEL: 44 mg/m³, 10 ppm - Notes: Slovenia (Potential for cutaneous absorption)

- OEL Type: National - TWA: 22 mg/m³, 5 ppm - Notes: Switzerland (Skin notation)

hydrogen peroxide solution ...% - CAS: 7722-84-1

- OEL Type: ACGIH - TWA(8h): 1 ppm - Notes: A3 - Eye, URT, and skin irr

- OEL Type: National - TWA: 1.5 mg/m³, 1 ppm - Notes: France

- OEL Type: National - TWA: 1.4 mg/m³, 1 ppm - Notes: Belgium

- OEL Type: National - TWA: 1.4 mg/m³, 1 ppm - STEL(5 min (Mow)): 2.8 mg/m³, 2 ppm

- Notes: Österreich

- OEL Type: National - TWA: 1.4 mg/m³, 1 ppm - Notes: Norway

TRISODIUM ORTHOPHOSPHATE - CAS: 10101-89-0

- OEL Type: National - TWA: 10 mg/m³ - Notes: Belgique ; poussière inhalable

- OEL Type: National - TWA: 3 mg/m³ - Notes: Belgique ; poussières alvéolaires

- OEL Type: National - TWA: 10 mg/m³ - Notes: France ; poussière inhalable

- OEL Type: National - TWA: 3 mg/m³ - Notes: France ; poussières alvéolaires

DNEL Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Worker Industry: 40 mg/kg b.w./day - Consumer: 20 mg/kg b.w./day - Exposure: Human

Dermal - Frequency: Short Term, systemic effects

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Worker Industry: 110 mg/m³ - Consumer: 27 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 8 mg/kg b.w./day - Consumer: 4 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 22 mg/m³ - Consumer: 5.4 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 20 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

hydrogen peroxide solution ...% - CAS: 7722-84-1

Worker Professional: 1.4 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 3 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

TRISODIUM ORTHOPHOSPHATE - CAS: 10101-89-0

Worker Industry: 17.87 mg/m³ - Consumer: 7.66 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 70 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Dihydro-3-(octenyl)furan-2,5-dione - CAS: 26680-54-6

Worker Industry: 1.0 mg/kg b.w./day mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term (acute)

Worker Industry: 0.33 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 10 mg/kg - Exposure: Human Dermal - Frequency: Long Term, local effects

Worker Industry: 0.5 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 0.1 mg/m³ - Consumer: 0.06 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 3 mg/m³ - Consumer: 1.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: PNEC01 - Value: 2.3 mg/l

Target: Soil - Value: 0.456 mg/kg

Target: Freshwater sediments - Value: 5.27 mg/kg

Target: Marine water sediments - Value: 0.527 mg/kg

Target: Microorganisms in sewage treatments - Value: 39 mg/l

hydrogen peroxide solution ...% - CAS: 7722-84-1

Target: PNEC intermittent - Value: 0.0138 mg/l - Notes:: fresh water

Target: Fresh Water - Value: 0.0126 mg/l

Target: Marine water - Value: 0.0126 mg/l

Target: Freshwater sediments - Value: 0.047 mg/kg

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Target: Marine water sediments - Value: 0.047 mg/kg - Notes:: dry weight
 Target: Soil (agricultural) - Value: 0.0023 mg/kg
 Target: Sewage treatment plant - Value: 4.66 mg/l
 Dihydro-3-(octenyl)furan-2,5-dione - CAS: 26680-54-6
 Target: Fresh Water - Value: 0.02 mg/l
 Target: Marine water - Value: 0.002 mg/l
 Target: Microorganisms in sewage treatments - Value: 10 mg/l
 Target: Freshwater sediments - Value: 1.7 mg/kg
 Target: Marine water sediments - Value: 0.17 mg/kg
 Target: Soil - Value: 0.2 mg/kg dw
 Target: Water (intermittent discharge) - Value: 0.2 mg/l
 Target: Sewage treatment plant - Value: 10 mg/l
 Target: Oral (secondary poisoning) (foodstuff) - Value: 300 mg/kg

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Please use face protection shield (ANSI/ISEA Z87.1 or CSA STD. Z94.1-16-class 6A)

Please use safety goggles (ANSI/ISEA Z87.1 or or CSA STD. Z94.1-16-class 2B)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable gloves type: NF EN374

NBR (nitrile rubber).

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Pink	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	6,5	ISO 4316, ASTM E70	--
Melting point / freezing point:	Not Relevant	--	--

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Initial boiling point and boiling range:	100°C	--	--
Flash Point (°F):	N.A.	--	--
Flash point (°C):	>80°C	ISO 2592	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	liquid
Upper/lower flammability or explosive limits:	0.6-13%	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.03	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>230°C	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	22500	NF EN ISO 2555 (LV4 12.0 tr/mn)	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

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Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

Volatile Organic compounds - VOCs = 38 %
 Volatile Organic compounds - VOCs = 391 g/l

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

Avoid contamination of the product.

Avoid contact with strong oxidizing agents, acids, reducing agents, alkalis/bases

Incompatible materials

Strong oxidizers.

Acids.

Reducing agents.

Alkalis.

Bases.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

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Acute toxicity

The product is classified: Acute Tox. 4 H332

ATEmix - Oral 2792,62 mg/kg bw

ATEmix - Inhalation (Mist) 3,54359 mg/l

Skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

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Respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

benzyl alcohol - CAS: 100-51-6

Acute toxicity:

Test: ATE - Route: Inhalation = 11 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation (dust, mist) - Species: Rat > 4.178 mg/l - Duration: 4h -

Source: OECD 403

Test: LD50 - Route: Oral - Species: Rat (male) = 1620 mg/kg

Test: ATE - Route: Oral = 1620 mg/kg

Test: LD50 - Route: Oral - Species: Rat (Male, female) = 1620 mg/kg - Duration: 4h

Carcinogenicity:

Route: Oral - Species: mouse (Male, female) = 400 mg/kg bw/day - Duration: 104 weeks -

Source: OECD 451

Reproductive toxicity:

Test: NOAEL - Route: Oral - Species: mouse (Male, female) = 200 mg/kg bw - Duration: 91 days

Test: NOAEL (fertility) - Route: Oral - Species: mouse (Male) = 800 mg/kg - Duration: 91 days

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 400 mg/kg bw - Duration: 91 days

Test: NOAEL (fertility) - Route: Oral - Species: Rat (Male, female) = 800 mg/kg bw - Duration: 91 days

Test: NOAEC - Route: Inhalation - Species: Rat (Male, female) = 1072 mg/m³ - Duration: 28 days - Source: OECD 412

Test: NOAEL (fertility) - Route: Inhalation - Species: Rat (Male, female) = 1072 mg/m³ - Duration: 28 days - Source: OECD 412

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STOT-repeated exposure:

Test: NOAEC - Route: Inhalation (aerosol) - Species: Rat (Male, female) = 1072 mg/m³ -

Duration: 28 days - Source: OECD 412

Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 400 mg/kg - Duration: 103 weeks, 5 days/week - Source: OECD 451

Test: NOAEC - Route: Inhalation (dust, mist) - Species: Rat (Male, female) = 1072 mg/m³ - Duration: 28 days - Source: OECD 412

hydrogen peroxide solution ...% - CAS: 7722-84-1

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 431

Test: LD50 - Route: Inhalation Dust - Species: Rat = 1.5 mg/kg - Duration: 4h - Notes: H₂O₂ 35%

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 0.17 mg/kg - Duration: 4h - Notes: H₂O₂ 50%

Test: LD50 - Route: Skin - Species: Rabbit > 2.000 mg/kg - Notes: H₂O₂ 35%

ALCOHOLS, C9-11, ETHOXYLATED - CAS: 68439-46-3

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1378 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

TRISODIUM ORTHOPHOSPHATE - CAS: 10101-89-0

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg - Source: OECD 420

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402 - lectures croisées : substances similaires

Test: LD50 - Route: Inhalation - Species: Rat > 0.83 mg/l - Source: OECD 403 - lectures croisées : substances similaires

Dihydro-3-(octenyl)furan-2,5-dione - CAS: 26680-54-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1098 mg/kg - Source: OECD 425

Test: LD50 - Route: Skin - Species: Rat > 1000 mg/kg - Source: OECD 402

Test: LD50 - Route: Skin - Species: Rabbit > 1000 mg/kg - Source: OECD 402

Test: LD50 - Route: Skin - Species: Rabbit < 2000 mg/kg - Source: OECD 402

Test: LC50 - Route: Inhalation - Species: Rat > 5.3 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation (aerosol) - Species: Rat > 5.3 mg/l

Test: ATE - Route: Oral = 1098 mg/kg

benzyl alcohol - CAS: 100-51-6

LD50 (RABBIT) SKIN SINGLE DOSE: 2000 MG/KG

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

hydrogen peroxide solution ...% - Group 3

ALCOHOLS, C9-11, ETHOXYLATED - Group 4.

Substance(s) listed as OSHA Carcinogen(s):

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None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Adopt good working practices, so that the product is not released into the environment.

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The product is classified: Aquatic Acute 3 - H402; Aquatic Chronic 3 - H412

benzyl alcohol - CAS: 100-51-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 460 mg/l - Duration h: 96 - Notes: Pimephales promelas/
EPA OPP 72-1

Endpoint: EC50 - Species: Daphnia = 230 mg/l - Duration h: 48 - Notes: Daphnia magna,
OECD 202

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 51 mg/l - Duration h: 504 - Notes: Daphnia magna,
OECD 211

d) Terrestrial toxicity:

Endpoint: IC50 - Species: Microorganisms = 390 mg/kg - Duration h: 24 - Notes: ISO 8192;
Nitrosomas

e) Plant toxicity:

Endpoint: NOEC - Species: Algae = 310 mg/l - Duration h: 72 - Notes: Pseudokirchneriella
subcapitata, OECD 201

Endpoint: EC50 - Species: Algae = 770 mg/l - Duration h: 72 - Notes: Pseudokirchneriella
subcapitata, OECD 201

hydrogen peroxide solution ...% - CAS: 7722-84-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 16.4 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 2.4 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 2.62 mg/l - Duration h: 72 - Notes: Skeletonema
costatum

Endpoint: EC50r - Species: Algae = 1.38 mg/l - Duration h: 72 - Notes: Skeletonema
costatum

Endpoint: EC50 - Species: bacteria > 1000 mg/l - Duration h: 3 - Notes: Activated sludge
(OCDE 209)

Endpoint: EC50 - Species: bacteria = 466 mg/l - Duration h: 0.5 - Notes: Activated sludge
(OCDE 209)

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish < 38.5 mg/l - Duration h: 168 - Notes: Oncorhynchus
mykiss

Endpoint: NOEC - Species: Aquatic invertebrates = 0.63 mg/l - Duration h: 504 - Notes:
Daphnia magna

ALCOHOLS, C9-11, ETHOXYLATED - CAS: 68439-46-3

a) Aquatic acute toxicity:

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Endpoint: LC50 - Species: Fish = 11.5 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Skeletonema costatum

Endpoint: EC50 - Species: Daphnia = 10 mg/l - Duration h: 48 - Notes: Daphnia magna

b) Aquatic chronic toxicity:

Endpoint: LC0 - Species: Fish = 5.5 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

TRISODIUM ORTHOPHOSPHATE - CAS: 10101-89-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 100 mg/l - Duration h: 96 - Notes: Oncorhynchus Mykiss, OECD 203, Lecture croisée: Substances similaires

Endpoint: EC50 - Species: Daphnia = 100 mg/l - Duration h: 48 - Notes: Daphnia magna, OECD 202

Endpoint: EC50 - Species: activated sludge = 1000 mg/l - Duration h: 3 - Notes: OECD 209

Endpoint: EC50 - Species: Algae = 100 mg/l - Duration h: 96

Endpoint: ErC50 - Species: activated sludge = 100 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus algae, OECD 201

Endpoint: NOEC - Species: Algae > 100 mg/l - Notes: Desmodesmus subspicatus, OECD 201

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 100 mg/l - Notes: Rainbow trout, OECD 203

Endpoint: NOEC - Species: Crustacea > 100 mg/l - Duration h: 48 - Notes: Daphnia magna, OECD 202

Dihydro-3-(octenyl)furan-2,5-dione - CAS: 26680-54-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Algae > 100 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia > 100 mg/l - Duration h: 24

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss, OECD 203

Endpoint: LC50 - Species: Fish = 484 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 110 mg/l - Duration h: 96 - Notes: Selenastrum capricornutum

Endpoint: ErC50 - Species: Algae = 100 mg/l - Duration h: 96 - Notes: Selenastrum capricornutum, OECD directives

Endpoint: NOEC - Species: bacteria = 100 mg/l - Duration h: 3 - Activated sludge

Endpoint: EC50 - Species: Crustacea > 100 mg/l - Duration h: 48 - Notes: Daphnia magna, OECD 202

Species: bacteria = 800 mg/l - Duration h: 3 - Notes: OECD 209 - Activated sludge

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 10 mg/l - Duration h: 144

Persistence and degradability

benzyl alcohol - CAS: 100-51-6

Biodegradability: Biodegradation in water - Test: OECD 301C - Duration: 14 days - %: 92-96 - Notes: OECD 301C

hydrogen peroxide solution ...% - CAS: 7722-84-1

Biodegradability: Readily biodegradable

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ALCOHOLS, C9-11, ETHOXYLATED - CAS: 68439-46-3

Biodegradability: Readily biodegradable - Test: UE - Duration: 28 days - %: 70.1%

Dihydro-3-(octenyl)furan-2,5-dione - CAS: 26680-54-6

Biodegradability: Readily biodegradable - Test: OECD 301B - Duration: 19 days - %: 79.9

Bioaccumulative potential

benzyl alcohol - CAS: 100-51-6

BCF 1.37 l/kg

Log Kow 1.05 - Notes: 20°C

hydrogen peroxide solution ...% - CAS: 7722-84-1

Log Kow - 1.57 - Notes: (20°C)

Not bioaccumulative

Dihydro-3-(octenyl)furan-2,5-dione - CAS: 26680-54-6

Log Pow > 4.68 - Notes: 22°C / OCDE 107

Mobility in soil

benzyl alcohol - CAS: 100-51-6

Log Koc 15.7

Volatility (H: Henry's Law Constant) 0.0879 Pa.m³/mol

hydrogen peroxide solution ...% - CAS: 7722-84-1

Log Koc 0.2

Other adverse effects

No harmful effects expected.

13. DISPOSAL CONSIDERATIONS**Waste treatment and disposal methods**

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of ADR, IATA and IMDG transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

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N.A.

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory or are not required to be listed on the TSCA.

TSCA sections for substances listed in section 3:

benzyl alcohol is listed in TSCA Section 8b

hydrogen peroxide solution ...% is listed in TSCA Section 8b

ALCOHOLS, C9-11, ETHOXYLATED is listed in TSCA Section 8b

TRISODIUM ORTHOPHOSPHATE is listed in TSCA Section 8b

Dihydro-3-(octenyl)furan-2,5-dione is listed in TSCA Section 8b, Section 8a - PAIR.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: hydrogen peroxide solution ...%.

Section 304 Hazardous substances: hydrogen peroxide solution ...%, TRISODIUM ORTHOPHOSPHATE.

Section 313 Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: TRISODIUM ORTHOPHOSPHATE - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 390472.4717 pounds.

CAA - Clean Air Act

CAA listed substances:

benzyl alcohol is listed in CAA Section 111, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

TRISODIUM ORTHOPHOSPHATE is listed in CWA Section 311.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

benzyl alcohol

hydrogen peroxide solution ...%

TRISODIUM ORTHOPHOSPHATE.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

hydrogen peroxide solution ...%

TRISODIUM ORTHOPHOSPHATE.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

benzyl alcohol

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hydrogen peroxide solution ...%
TRISODIUM ORTHOPHOSPHATE.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

- H302 Harmful if swallowed.
- H332 Harmful if inhaled.
- H271 May cause fire or explosion; strong oxidiser.
- H401 Toxic to aquatic life.
- H314 Causes severe skin burns and eye damage.
- H412 Harmful to aquatic life with long lasting effects.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H317 May cause an allergic skin reaction.
- H413 May cause long lasting harmful effects to aquatic life.

According to TSCA section 3(2)(B)(i) : a hydrated form of a chemical substance is considered a mixture of the corresponding anhydrous form and water.

Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- ATE: Acute Toxicity Estimate
- ATEmix: Acute toxicity Estimate (Mixtures)
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- HMIS: Hazardous Materials Identification System

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IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average

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